

Force-sensing bearing**Claims**

1. A rolling bearing comprising curved raceways (2c, 3c) and, arranged in between, rolling bodies (1) and strain gauge sensors (4), which are arranged in a groove (5) on the outer diameter of the outer ring (2) and/or on the inner diameter of the inner ring (3), **characterized** in that the length of two adjacent conductor track sections of the strain gauge sensor varies.

2. The rolling bearing comprising a curved raceway as claimed in claim 1, **characterized** in that the adjacent conductor track sections are arranged such that the strain gauge sensors (4) are embodied trapezoidally.

3. A rolling bearing comprising curved raceways (2c, 3c) and, arranged in between, rolling bodies (1) and sensors (4), which are arranged in a groove (5) on the outer diameter of the outer ring (2) or on the inner diameter of the inner ring (3), **characterized** in that the distance between two adjacent sensors (4c, 4d) in the axial direction (6) varies.